

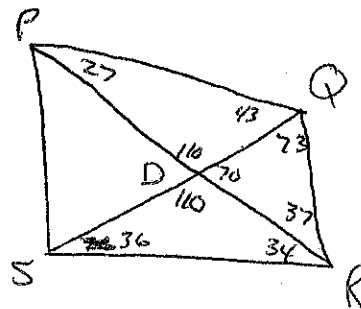
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11-17, 19, 21-27

11.  $m\angle DEF > m\angle DFE$
12.  $m\angle GDF < m\angle DGF$
13.  $m\angle DEF > m\angle FDE$
14.  $SR > SD$
15.  $DQ < DR$
16.  $PQ > QR$
17.  $SR > SQ$

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7-9, 13-17



19. Assume the  $\Delta$ s are not congruent

21.  $5+7 > 20$  No
22.  $16+5 > 20$  yes
23.  $18+6 > 20$  yes

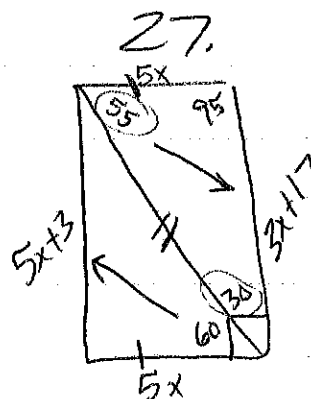
24.  $m\angle BAC > m\angle DAC$   $SSS$   $ing$   $6 > 5$
25.  $BC > MD$   $SAS$   $ing$   $92^\circ > 58^\circ$

26.  $41 > x+20$   
 $21 > x$

$$x+20 > 0$$

$$x > -20$$

$$\boxed{-20 < x < 21}$$



$$5x+3 > 3x+17$$

$$2x > 14$$

$$\boxed{x > 7}$$

Conditionals Restrictions

$$5x > 0 \quad 3x+17 > 0$$

$$x > 0 \quad x > -\frac{17}{3}$$

Then answer  
takes care of all 3  $\rightarrow$

$$5x+3 > 0$$

$$x > -\frac{3}{5}$$

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7.  $\angle 5$

8.  $\angle 8$

9.  $\angle 1$

13. ~~14~~  $1+14$

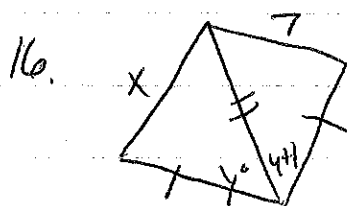
$13 < x < 15$

14. ~~14~~  $14+11$

$3 < x < 25$

15.  $13+19$

$6 < x < 32$



Since  $y+1 > y$  (it has to be)

$7 > x$

Restriction

$x > 0$

$0 < x < 7$

17.

Not  
Enough  
Information